SOAC IS THE NOW CAR!

The **STATE-OF-THE-ART CAR**

a program of The URBAN MASS TRANSPORTATION ADMINISTRATION

UMTA... The U.S. Department of Transportation's Urban Mass Transportation Administration brings you SOAC... the State-of-the-Art Car. It's an entirely new concept in rail rapid transit.

SOAC is the NOW car!

It's the first long step in making urban rail travel attractive again. Safe, Operational And Comfortable, SOAC is ready to move people conveniently, reliably and rapidly through the ever-mounting congestion of our major cities.

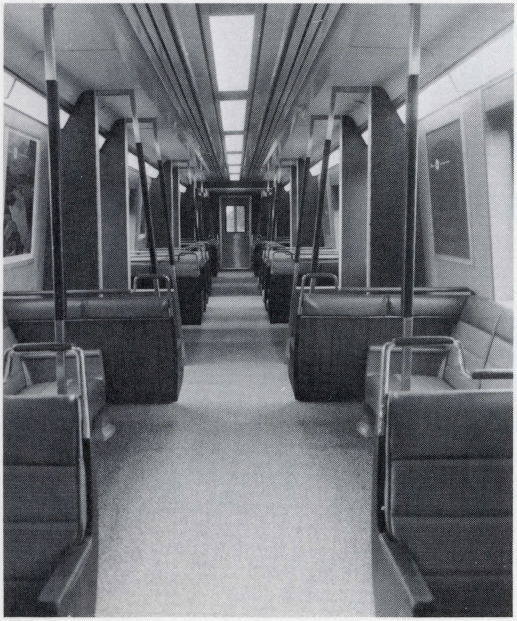
SOAC is a car for ALL seasons

It has the most modern controls to climatize its spacious interior for maximum comfort. The sounds, the smells and the smog of the cities cannot intrude on your smooth, quiet SOAC ride as you speed through the city faster, safer and more relaxed than in your own auto.

SOAC is the "people-car."

Lighting, climate control, quality of ride and noise control create an entirely new standard in rail car design. We call it a "creature-comfort" standard, because SOAC was designed to fulfill the needs of people. Comfort, convenience and environment coupled with successful, advanced, *AVAILABLE* technology make SOAC the NOW car.

The interior sound level of a SOAC train at 60 MPH is as quiet as the interior of a modern office building and normal conversations can be carried on in relaxing comfort within the speeding cars.

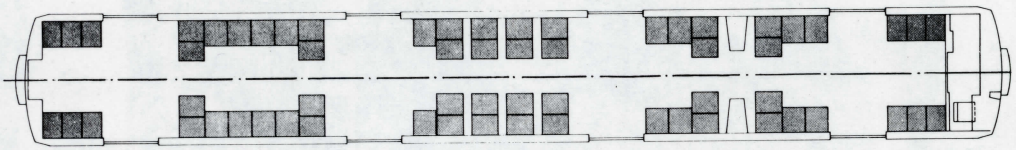


STATE-OF-THE-ART

In 1973, the SOAC completed initial testing at the U.S. Department of Transportation's High Speed Ground Test Center in Pueblo, Colorado. Now SOAC is being demonstrated to the industry and the public on transit lines in New York, Boston, Chicago, Cleveland and Philadelphia. At Pueblo, UMTA has had a chance to evaluate the technology. During these operational demonstrations, the transit industry will have a chance to evaluate its efficiency. But most important, YOU, the riding public will have a chance to enjoy its quality. We'll leave the riding to you!

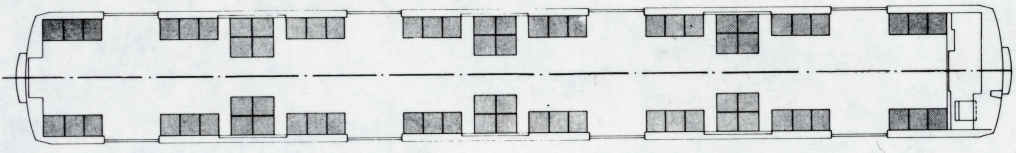
No. 1 CAR—SEATING PLAN

SEATED PASSENGERS	62
NOMINAL CAPACITY	100
MAXIMUM CAPACITY	220



No. 2 CAR—SEATING PLAN

SEATED PASSENGERS	72
NOMINAL CAPACITY	100
MAXIMUM CAPACITY	300

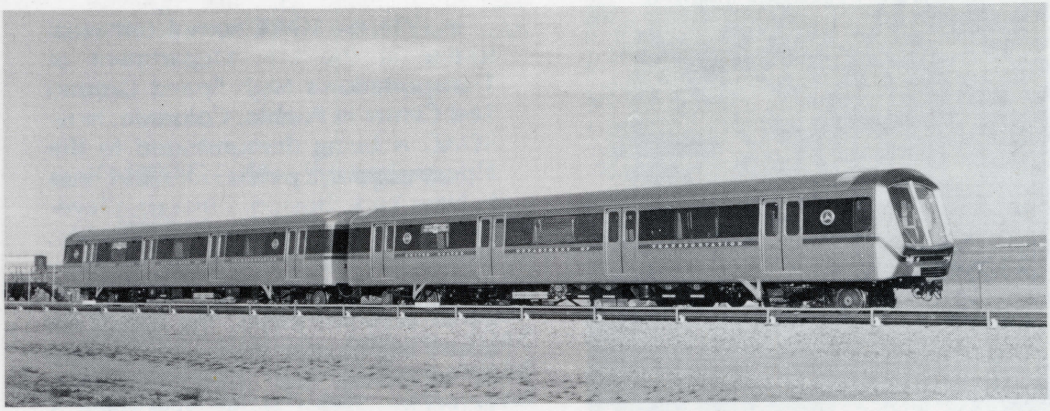


FACTS ABOUT SOAC

Length: 75 feet
Width: 9.75 feet
Weight: 90,000 pounds
Maximum Speed: 80 MPH
Initial Acceleration: 3.0 MPH/Second
Braking: 3.0 MPH/Second
Power: 600 V. DC
Propulsion: Field Excited DC Motors
Control: Solid State Chopper

UMTA's Systems Manager for the State-of-the-Art Car is the Boeing Vertol Company.

The State-of-the-Art Cars were built by the St. Louis Car Division of General Steel Industries.



U.S. DEPARTMENT OF TRANSPORTATION
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Washington, D.C. 20590

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